

## Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

--- Scarcity Pricing In Effect (Y/N)

## Zonal Data

06/02/2011

| Name            | 00:00   | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00  | 08:00  | 09:00  | 10:00   | 11:00  | 12:00  | 13:00  | 14:00  | 15:00  | 16:00  | 17:00  | 18:00 | 19:00 | 20:00 | 21:00  | 22:00 | 23:00 |
|-----------------|---------|-------|-------|-------|-------|-------|-------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|-------|-------|
| PTID            | EDT     | EDT   | EDT   | EDT   | EDT   | EDT   | EDT   | EDT    | EDT    | EDT    | EDT     | EDT    | EDT    | EDT    | EDT    | EDT    | EDT    | EDT    | EDT   | EDT   | EDT   | EDT    | EDT   |       |
| CAPITL          | 51.94   | 38.85 | 33.61 | 30.78 | 19.44 | 28.48 | 32.19 | 31.41  | 9.83   | 17.99  | 16.28   | 35.24  | 34.39  | 34.94  | 35.69  | 36.84  | 35.95  | 30.28  | 33.32 | 34.78 | 35.36 | 36.09  | 25.24 | 18.08 |
| 61757           | 1.92    | 2.05  | 1.68  | 1.67  | 1.12  | 1.63  | 1.61  | 1.64   | 0.38   | 0.90   | -0.13   | 1.87   | 1.98   | 1.29   | 1.94   | 1.33   | 2.02   | 1.58   | 1.75  | 1.88  | 1.89  | 1.75   | 1.09  | 0.67  |
|                 | -16.49  | -0.27 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.96  | -2.97  | -2.47  | -18.11  | -3.56  | -0.45  | -12.13 | -0.64  | -12.54 | -0.58  | -0.93  | -0.32 | -0.46 | 0.00  | 0.00   | 0.00  | 0.00  |
|                 | N       | N     | N     | N     | N     | N     | N     | N      | N      | N      | N       | N      | N      | N      | N      | N      | N      | N      | N     | N     | N     | N      | N     | N     |
| CENTRL<br>61754 | 35.63   | 36.43 | 31.82 | 29.09 | 18.27 | 27.01 | 31.02 | 31.47  | 12.61  | 20.00  | 16.66   | 31.34  | 33.66  | 33.45  | 35.54  | 35.79  | 35.60  | 30.64  | 32.87 | 33.57 | 34.43 | 35.32  | 24.69 | 17.56 |
|                 | -0.14   | -0.13 | -0.10 | -0.02 | -0.05 | 0.17  | 0.44  | 0.79   | 0.21   | 0.40   | -0.06   | 0.70   | 0.77   | 0.61   | 1.13   | 0.82   | 1.06   | 0.94   | 0.97  | 0.93  | 0.96  | 0.99   | 0.54  | 0.16  |
|                 | -2.24   | -0.04 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.86  | -5.92  | -4.98  | -18.42  | -0.84  | -0.94  | -11.33 | -1.31  | -12.00 | -1.21  | -1.92  | -0.67 | -0.19 | 0.00  | 0.00   | 0.00  | 0.00  |
|                 | N       | N     | N     | N     | N     | N     | N     | N      | N      | N      | N       | N      | N      | N      | N      | N      | N      | N      | N     | N     | N     | N      | N     | N     |
| DUNWOD<br>61760 | 50.83   | 40.71 | 35.12 | 32.03 | 20.21 | 29.76 | 33.93 | 49.82  | 62.49  | 62.71  | 51.39   | 39.97  | 44.83  | 44.20  | 49.55  | 50.88  | 48.93  | 49.18  | 41.63 | 38.48 | 37.92 | 38.56  | 26.71 | 18.84 |
|                 | 3.77    | 3.97  | 3.20  | 2.92  | 1.89  | 2.92  | 3.35  | 3.58   | 0.80   | 1.81   | -0.24   | 3.96   | 4.29   | 2.92   | 4.38   | 3.06   | 4.47   | 3.67   | 4.26  | 4.43  | 4.45  | 4.22   | 2.56  | 1.44  |
|                 | -13.52  | -0.22 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -17.42 | -55.21 | -46.28 | -53.32  | -6.20  | -8.60  | -19.77 | -12.06 | -24.85 | -11.12 | -17.72 | -6.12 | -1.60 | -0.01 | 0.00   | 0.00  | 0.00  |
|                 | N       | N     | N     | N     | N     | N     | N     | N      | N      | N      | N       | N      | N      | N      | N      | N      | N      | N      | N     | N     | N     | N      | N     | N     |
| GENESE<br>61753 | 34.31   | 35.51 | 31.18 | 28.42 | 17.86 | 26.64 | 30.71 | 30.59  | 11.08  | 18.54  | 15.73   | 30.47  | 32.66  | 32.81  | 34.60  | 35.01  | 34.66  | 29.76  | 32.16 | 32.83 | 33.68 | 34.81  | 24.41 | 17.38 |
|                 | -0.93   | -1.05 | -0.74 | -0.68 | -0.46 | -0.20 | 0.13  | 0.37   | 0.15   | 0.19   | -0.05   | 0.04   | 0.02   | 0.14   | 0.52   | 0.35   | 0.42   | 0.55   | 0.42  | 0.24  | 0.21  | 0.47   | 0.26  | -0.02 |
|                 | -1.70   | -0.03 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.41  | -4.45  | -3.73  | -17.47  | -0.63  | -0.69  | -11.16 | -0.97  | -11.70 | -0.90  | -1.43  | -0.50 | -0.15 | 0.00  | 0.00   | 0.00  | 0.00  |
|                 | N       | N     | N     | N     | N     | N     | N     | N      | N      | N      | N       | N      | N      | N      | N      | N      | N      | N      | N     | N     | N     | N      | N     | N     |
| H Q<br>61844    | 32.99   | 35.98 | 31.48 | 28.64 | 18.01 | 26.32 | 31.46 | 26.69  | 6.30   | 14.22  | 0.35    | 28.96  | 31.06  | 22.32  | 32.12  | 23.73  | 32.34  | 26.97  | 28.74 | 31.49 | 32.52 | 33.49  | 23.69 | 17.24 |
|                 | -0.55   | -0.54 | -0.45 | -0.46 | -0.31 | -0.52 | -0.55 | -1.05  | -0.19  | -0.40  | 0.07    | -0.84  | -0.89  | -0.62  | -0.99  | -0.69  | -1.00  | -0.81  | -0.81 | -0.94 | -0.94 | -0.84  | -0.45 | -0.16 |
|                 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.37 | 7.85   | 0.00   | 0.00   | -1.98   | 0.00   | 0.00   | -1.43  | 0.00   | -1.45  | 0.00   | 0.00   | -0.06 | 0.00  | 0.00  | 0.00   | 0.00  | 0.00  |
|                 | N       | N     | N     | N     | N     | N     | N     | N      | N      | N      | N       | N      | N      | N      | N      | N      | N      | N      | N     | N     | N     | N      | N     | N     |
| HUD VL<br>61758 | 50.80   | 40.72 | 35.16 | 32.09 | 20.25 | 29.79 | 33.99 | 48.27  | 57.46  | 58.53  | 48.04   | 39.64  | 44.02  | 43.45  | 48.47  | 49.72  | 47.92  | 47.59  | 41.04 | 38.36 | 37.95 | 38.59  | 26.74 | 18.90 |
|                 | 3.77    | 3.97  | 3.23  | 2.98  | 1.93  | 2.95  | 3.41  | 3.59   | 0.80   | 1.82   | -0.23   | 3.95   | 4.23   | 2.88   | 4.36   | 3.04   | 4.44   | 3.64   | 4.21  | 4.44  | 4.47  | 4.25   | 2.59  | 1.50  |
|                 | -13.48  | -0.22 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -15.86 | -50.18 | -42.09 | -49.98  | -5.89  | -7.83  | -19.05 | -11.00 | -23.71 | -10.14 | -16.17 | -5.59 | -1.49 | -0.01 | 0.00   | 0.00  | 0.00  |
|                 | N       | N     | N     | N     | N     | N     | N     | N      | N      | N      | N       | N      | N      | N      | N      | N      | N      | N      | N     | N     | N     | N      | N     | N     |
| LONGIL<br>61762 | 170.69  | 41.47 | 35.78 | 32.55 | 20.52 | 31.48 | 34.78 | 50.64  | 62.73  | 64.15  | 113.42  | 56.99  | 57.19  | 44.86  | 50.62  | 51.59  | 68.24  | 51.00  | 46.06 | 39.40 | 39.86 | 68.00  | 27.22 | 19.15 |
|                 | 4.58    | 4.72  | 3.86  | 3.44  | 2.20  | 3.62  | 4.21  | 4.38   | 1.00   | 2.27   | -0.30   | 4.93   | 5.30   | 3.58   | 5.44   | 3.76   | 5.61   | 4.56   | 5.27  | 5.36  | 5.41  | 5.30   | 3.07  | 1.75  |
|                 | -132.56 | -0.22 | 0.00  | 0.00  | 0.00  | -1.02 | 0.00  | -17.44 | -55.25 | -47.26 | -115.42 | -22.25 | -19.94 | -19.77 | -12.07 | -24.86 | -29.29 | -18.66 | -9.54 | -1.60 | -0.99 | -28.37 | 0.00  | 0.00  |
|                 | N       | N     | N     | N     | N     | N     | N     | N      | N      | N      | N       | N      | N      | N      | N      | N      | N      | N      | N     | N     | N     | N      | N     | N     |
| MHK VL<br>61756 | 36.44   | 37.25 | 32.47 | 29.58 | 18.60 | 27.34 | 31.32 | 32.07  | 14.18  | 21.35  | 17.69   | 31.57  | 34.12  | 33.79  | 35.83  | 36.10  | 35.91  | 31.04  | 33.07 | 33.71 | 34.54 | 35.51  | 24.82 | 17.73 |
|                 | 0.64    | 0.69  | 0.55  | 0.47  | 0.27  | 0.50  | 0.74  | 0.90   | 0.22   | 0.47   | -0.05   | 0.87   | 1.02   | 0.70   | 1.10   | 0.75   | 1.08   | 0.90   | 1.01  | 1.05  | 1.08  | 1.18   | 0.67  | 0.33  |
|                 | -2.26   | -0.04 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.36  | -7.48  | -6.26  | -19.44  | -0.90  | -1.15  | -11.58 | -1.63  | -12.38 | -1.49  | -2.37  | -0.82 | -0.22 | 0.00  | 0.00   | 0.00  | 0.00  |
|                 | N       | N     | N     | N     | N     | N     | N     | N      | N      | N      | N       | N      | N      | N      | N      | N      | N      | N      | N     | N     | N     | N      | N     | N     |
| MILLWD<br>61759 | 50.88   | 40.68 | 35.09 | 32.01 | 20.19 | 29.71 | 33.89 | 49.56  | 61.80  | 62.05  | 50.83   | 39.92  | 44.67  | 44.05  | 49.35  | 50.67  | 48.73  | 48.89  | 41.51 | 38.44 | 37.91 | 38.54  | 26.70 | 18.83 |
|                 | 3.76    | 3.93  | 3.17  | 2.90  | 1.86  | 2.87  | 3.31  | 3.55   | 0.78   | 1.80   | -0.23   | 3.95   | 4.25   | 2.89   | 4.35   | 3.04   | 4.44   | 3.64   | 4.23  | 4.42  | 4.43  | 4.20   | 2.54  | 1.43  |
|                 | -13.57  | -0.22 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -17.18 | -54.53 | -45.62 | -52.76  | -6.16  | -8.47  | -19.65 | -11.88 | -24.66 | -10.95 | -17.46 | -6.03 | -1.58 | -0.01 | 0.00   | 0.00  | 0.00  |
|                 | N       | N     | N     | N     | N     | N     | N     | N      | N      | N      | N       | N      | N      | N      | N      | N      | N      | N      | N     | N     | N     | N      | N     | N     |
| N.Y.C.<br>61761 | 51.41   | 42.06 | 35.33 | 32.19 | 20.30 | 29.92 | 34.16 | 50.07  | 63.11  | 63.77  | 54.31   | 43.13  | 47.63  | 46.92  | 52.55  | 53.19  | 52.05  | 51.75  | 41.93 | 38.79 | 38.24 | 38.87  | 26.94 | 18.98 |
|                 | 4.01    | 4.22  | 3.40  | 3.09  | 1.98  | 3.09  | 3.58  | 3.82   | 0.85   | 1.92   | -0.24   | 4.25   | 4.61   | 3.12   | 4.68   | 3.27   | 4.77   | 3.93   | 4.56  | 4.75  | 4.76  | 4.53   | 2.79  | 1.58  |
|                 | -13.86  | -1.31 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -17.43 | -55.78 | -47.23 | -56.25  | -9.08  | -11.07 | -22.28 | -14.76 | -26.95 | -13.94 | -20.04 | -6.13 | -1.60 | -0.01 | 0.00   | 0.00  | 0.00  |
|                 | N       | N     | N     | N     | N     | N     | N     | N      | N      | N      | N       | N      | N      | N      | N      | N      | N      | N      | N     | N     | N     | N      | N     | N     |

|                |        |       |       |       |       |       |       |        |        |        |        |       |       |        |       |        |       |        |        |       |       |       |       |       |
|----------------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|-------|-------|
| NORTH<br>61755 | 32.72  | 35.63 | 31.21 | 28.37 | 17.81 | 26.02 | 29.60 | 27.80  | 6.25   | 14.14  | 2.25   | 28.72 | 30.99 | 23.61  | 31.93 | 25.00  | 32.08 | 26.78  | 30.14  | 31.27 | 32.27 | 33.47 | 23.68 | 17.22 |
|                | -0.83  | -0.90 | -0.71 | -0.74 | -0.52 | -0.82 | -0.98 | -1.02  | -0.23  | -0.48  | 0.07   | -1.09 | -0.96 | -0.72  | -1.18 | -0.82  | -1.26 | -1.00  | -1.10  | -1.17 | -1.19 | -0.87 | -0.47 | -0.18 |
|                | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | -3.88  | 0.00  | 0.00  | -2.82  | 0.00  | -2.86  | 0.00  | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|                | N      | N     | N     | N     | N     | N     | N     | N      | N      | N      | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     | N     | N     | N     | N     |
| NPX<br>61845   | 51.12  | 39.33 | 33.93 | 31.12 | 19.65 | 28.83 | 32.61 | 36.78  | 25.23  | 31.15  | 26.69  | 36.60 | 37.54 | 37.75  | 39.83 | 41.07  | 39.87 | 35.87  | 37.87  | 35.92 | 36.18 | 36.74 | 25.64 | 18.23 |
|                | 2.48   | 2.56  | 2.01  | 2.01  | 1.33  | 1.99  | 2.03  | 2.17   | 0.49   | 1.17   | -0.16  | 2.56  | 2.72  | 1.82   | 2.70  | 1.89   | 2.83  | 2.19   | 2.12   | 2.69  | 2.71  | 2.41  | 1.49  | 0.83  |
|                | -15.09 | -0.25 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -5.79  | -18.25 | -15.37 | -28.55 | -4.24 | -2.86 | -14.41 | -4.02 | -16.21 | -3.70 | -5.90  | -6.26  | -0.79 | 0.00  | 0.00  | 0.00  | 0.00  |
|                | N      | N     | N     | N     | N     | N     | N     | N      | N      | N      | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     | N     | N     | N     | N     |
| O H<br>61846   | 31.86  | 32.56 | 28.75 | 26.16 | 16.43 | 24.66 | 28.32 | 28.39  | 11.24  | 17.82  | 16.38  | 27.68 | 29.64 | 30.86  | 31.61 | 33.03  | 31.69 | 27.55  | 29.64  | 29.90 | 30.60 | 31.85 | 22.49 | 16.08 |
|                | -3.66  | -4.00 | -3.17 | -2.95 | -1.89 | -2.18 | -2.26 | -2.05  | -0.38  | -1.11  | 0.08   | -2.85 | -3.11 | -1.95  | -2.62 | -1.84  | -2.68 | -1.88  | -1.65  | -2.71 | -2.87 | -2.49 | -1.67 | -1.32 |
|                | -1.97  | -0.03 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.62  | -5.13  | -4.30  | -18.00 | -0.72 | -0.80 | -11.30 | -1.12 | -11.90 | -1.03 | -1.65  | -1.79  | -0.17 | 0.00  | 0.00  | 0.00  | 0.00  |
|                | N      | N     | N     | N     | N     | N     | N     | N      | N      | N      | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     | N     | N     | N     | N     |
| PJM<br>61847   | 41.26  | 34.74 | 30.29 | 27.91 | 17.50 | 26.03 | 29.99 | 41.12  | 44.88  | 46.92  | 39.96  | 33.62 | 37.42 | 40.00  | 41.90 | 44.36  | 41.47 | 40.55  | 44.87  | 33.85 | 33.64 | 34.41 | 24.05 | 16.92 |
|                | -2.15  | -1.95 | -1.64 | -1.19 | -0.83 | -0.81 | -0.59 | 0.20   | 0.07   | 0.17   | 0.17   | -0.59 | -0.51 | -0.18  | 0.42  | 0.86   | 0.40  | 0.45   | 2.38   | 0.29  | 0.17  | 0.08  | -0.10 | -0.48 |
|                | -9.86  | -0.16 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -12.10 | -38.33 | -32.13 | -41.48 | -4.40 | -5.97 | -42.63 | -8.38 | -20.54 | -7.73 | -12.32 | -13.00 | -1.13 | -0.01 | 0.00  | 0.00  | 0.00  |
|                | N      | N     | N     | N     | N     | N     | N     | N      | N      | N      | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     | N     | N     | N     | N     |
| WEST<br>61752  | 32.68  | 33.25 | 29.27 | 26.71 | 16.78 | 25.17 | 28.99 | 29.38  | 12.00  | 18.75  | 16.79  | 28.71 | 30.78 | 31.69  | 32.91 | 34.04  | 32.94 | 28.62  | 30.52  | 30.95 | 31.65 | 32.84 | 23.15 | 16.46 |
|                | -3.06  | -3.31 | -2.65 | -2.39 | -1.55 | -1.67 | -1.59 | -1.25  | -0.20  | -0.67  | 0.04   | -1.90 | -2.07 | -1.24  | -1.45 | -1.00  | -1.55 | -1.00  | -1.37  | -1.68 | -1.82 | -1.50 | -1.00 | -0.94 |
|                | -2.20  | -0.04 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.81  | -5.71  | -4.80  | -18.44 | -0.80 | -0.89 | -11.41 | -1.25 | -12.07 | -1.15 | -1.84  | -0.65  | -0.19 | 0.00  | 0.00  | 0.00  | 0.00  |
|                | N      | N     | N     | N     | N     | N     | N     | N      | N      | N      | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     | N     | N     | N     | N     |